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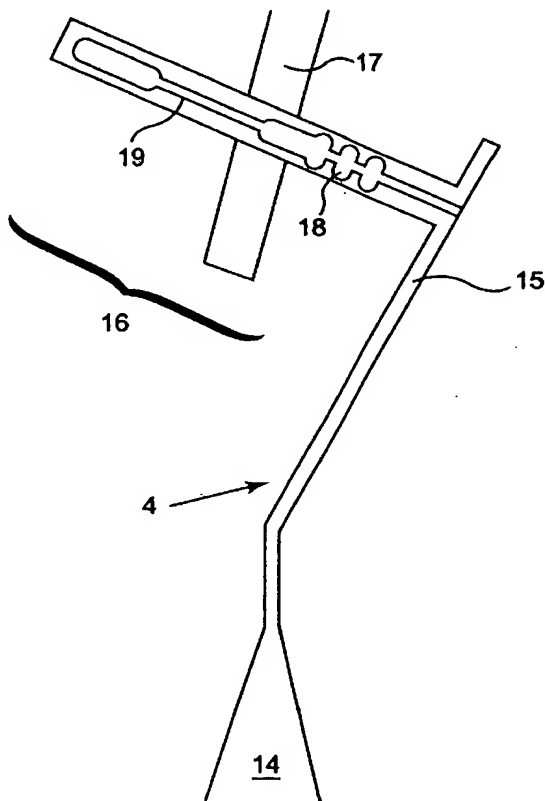
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[Continued on next page]

(54) Title: SUB-MILLIMETRE WAVELENGTH CAMERA



(57) Abstract: The invention relates to an imaging device to be used with millimetre and/or sub-millimetre radiation comprising at least a pair of substrates, at least one of which is patterned on at least one surface with a patterning defining at least one radiation detector (4), each radiation detector comprising:- an antenna (14) adapted to receive millimetre and/or sub-millimetre electromagnetic radiation, - a mixer channel (16) coupled to said antenna and in communication with a via extending through a substrate for connection to a signal output, a mixer comprising filters (15, 19) being mounted in the mixer channel for extracting an intermediate frequency signal in dependence upon said radiation received by the antenna. - a waveguide structure (17) coupled to said mixer and having a signal input for connection to a local oscillator.



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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	US 6 229 411 B1 (MANN CHRISTOPHER) 8 May 2001 (2001-05-08) abstract column 3, line 46 -column 4, line 23 figure 2	1-3,5,6
A		4,7-14
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